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Sheet 1 of 8

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	20020053017	05/02/2002	Adiletta et al.			
	AB	20020056037	05/09/2002	Wolrich et al.			
	AC	20030041228	02/27/2003	Rosenbluth et al.			
	AD	20030145159	07/31/2003	Adiletta et al.			
	AE	20030191866	10/09/2003	Wolrich et al.			
	AF	20040039895	02/26/2004	Wolrich et al.			
	AG	20040054880	03/18/2004	Bernstein et al.			
	AH	20040071152	04/15/2004	Wolrich et al.			
	AJ	20040073728	04/15/2004	Wolrich et al.			
	AJ	20040073778	04/15/2004	Adiletta et al.			
	AK	20040098496	05/20/2004	Wolrich et al.			
	AL	20040109369	06/10/2004	Wolrich et al.			
	AM	20040205747	10/14/2004	Bernstein et al.			
	AN	3373408	03/12/1968	Ling			
	AO	3478322	11/11/1969	Evans			
	AP	3792441	02/12/1974	Wymore et al.			
	AQ	3913074	10/14/1975	Homberg et al.			
	AR	3940745	02/24/1976	Sajeva			
	AS	4130890	12/19/1978	Adam			
	AT	4392758	07/12/1983	Bowles et al.			
	AU	4400770	08/23/1983	Chan et al.			
	AV	4514807	04/30/1985	Nogi			
	AW	4523272	06/11/1985	Fukunaga et al.			
	AX	4724521	02/09/1988	Carron et al.			
	AY	4745544	05/17/1988	Renner et al.			
	AZ	4777587	10/11/1988	Case et al.			
	AAA	4866664	09/12/1989	Burkhardt Jr. et al.			

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Substitute Form PTO-1449 (Modified) <i>O P T E</i> Information Disclosure Statement by Applicant FEB 23 2006 Use several sheets if necessary <i>37 CFR §1.98(b)(4)</i> <i>TRADE SECRETS</i>	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Applicant Gilbert Wolrich et al.			
Filing Date February 28, 2002		Group Art Unit 2186	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5073864	12/17/1991	Methvin et al.			
	ACC	5140685	08/18/1992	Sipple et al.			
	ADD	5142683	08/25/1992	Burkhardt Jr. et al.			
	AEE	5155831	10/13/1992	Emma et al.			
	AFF	5155854	10/13/1992	Flynn et al.			
	AGG	5168555	12/01/1992	Byers et al.			
	AHH	5173897	12/22/1992	Schrodi et al.			
	AII	5255239	10/19/1993	Taborn et al.			
	AJJ	5263169	11/16/1993	Genusov et al.			
	AKK	5347648	09/13/1994	Stamm et al.			
	ALL	5357617	10/18/1994	Davis et al.			
	AMM	5367678	11/22/1994	Lee et al.			
	ANN	5390329	02/14/1995	Gaertner et al.			
	AOO	5392391	02/21/1995	Caulk Jr. et al.			
	APP	5392411	02/21/1995	Ozaki			
	AQQ	5392412	02/21/1995	McKenna			
	ARR	5404464	04/04/1995	Bennett			
	ASS	5404482	04/04/1995	Stamm et al.			
	ATT	5428809	06/27/1995	Coffin et al.			
	AUU	5432918	07/11/1995	Stamm			
	AVV	5442756	08/15/1995	Grochowski et al.			
	AWW	5448702	09/05/1995	Garcia Jr. et al.			
	AXX	5450351	09/12/1995	Heddes			
	AYY	5452437	09/19/1995	Richey et al.			
	AZZ	5459842	10/17/1995	Begun et al.			
	AAAA	5463625	10/31/1995	Yasrebi			
	ABBB	5467452	11/14/1995	Blum et al.			

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Substitute Form PTO-1449 <i>Amended</i> <i>44 CFR §1.98(b)</i>	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	5481683	01/02/1996	Karim			
	ADDD	5487159	01/23/1996	Byers et al.			
	AEEE	5517628	05/14/1996	Morrison et al.			
	AFFF	5517648	05/14/1996	Bertone et al.			RECEIVED
	AGGG	5542070	07/30/1996	LeBlanc et al.			FEB 28 2006
	AHHH	5542088	07/30/1996	Jennings Jr. et al.			
	AIII	5544236	08/06/1996	Andruska et al.			Technology Center 2100
	AJJJ	5550816	08/27/1996	Hardwick et al.			
	AKKK	5557766	09/17/1996	Takiguchi et al.			
	ALLL	5568617	10/22/1996	Kametani			
	AMMM	5574922	11/12/1996	James			
	ANNN	5574939	11/12/1996	Keckler et al.			
	AOOO	5592622	04/07/1997	Isfeld et al.			
	APPP	5606676	02/25/1997	Grochowski et al.			
	AQQQ	5613071	03/18/1997	Rankin et al.			
	ARRR	5613136	03/18/1997	Casavant et al.			
	ASSS	5623489	04/22/1997	Cotton et al.			
	ATTT	5627829	05/06/1997	Gleeson et al.			
	AUUU	5630130	05/13/1997	Perotto et al.			
	AVVV	5644623	07/01/1997	Gulledge			
	AWWW	5649157	07/15/1997	Williams			
	AXXX	5659687	08/19/1997	Kim et al.			
	AYYY	5659722	08/19/1997	Blaner et al.			
	AZZZ	5680641	10/21/1997	Sidman			
	AAAAA	5689566	11/18/1997	Nguyen			
	BBBBB	5692167	11/25/1997	Grochowski et al.			
	ACCCC	5699537	12/16/1997	Sharangpani et al.			

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Substitute Form PTO-1449 (Modifed)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186
37 CFR §1.98(b) SEARCHED TRADEMADE			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ADDDD	5717898	02/10/1998	Kagan et al.			
	AEEEE	5721870	02/24/1998	Matsumoto			
	AFFFF	5742587	04/21/1998	Zornig et al.			
	AGGGG	5742782	04/21/1998	Ito et al.			
	AHHHH	5742822	04/21/1998	Motomura			
	AIIII	5745913	04/28/1998	Pattin et al.			
	AJJJJ	5751987	05/12/1998	Mahant-Shetti et al.			
	AKKKK	5761507	06/02/1998	Govett			
	ALLLL	5761522	06/02/1998	Hisanaga et al.			
	AMMMM	5781774	07/14/1998	Krick			
	ANNNN	5784649	07/21/1998	Begur et al.			
	AOOOO	5784712	07/21/1998	Byers et al.			
	APPPP	5796413	08/18/1998	Shipp et al.			
	AQQQQ	5797043	08/18/1998	Lewis et al.			
	ARRRR	5809235	09/15/1998	Sharma et al.			
	ASSSS	5809530	09/15/1998	Samra et al.			
	ATTTT	5812839	09/22/1998	Hoyt et al.			
	AUUUU	5812868	09/22/1998	Moyer et al.			
	AVVVV	5828746	10/27/1998	Ardon			
	AWWWW	5828863	10/27/1998	Barrett et al.			
	AXXXX	5832215	11/03/1998	Kato et al.			
	AYYYY	5835755	11/10/1998	Stellwagen Jr.			
	AZZZZ	5854922	12/29/1998	Gravenstein et al.			
	AAAAAA	5860158	01/12/1999	Pai et al.			
	BBBBBB	5886992	03/23/1999	Raatikainen et al.			
	ACCCCC	5887134	03/23/1999	Ebrahim			
	ADDDDD	5890208	03/30/1999	Kwon			

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Sheet 5 of 8

Substitute Form PTO-1449 <i>(Modified)</i>	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
O I P E Information Disclosure Statement by Applicant FEB 28 2006 <i>(Use several sheets if necessary)</i> (37 CFR §1.98(c))		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AEEEEEE	5892979	04/06/1999	Shiraki et al.			
	AFFFFFF	5905876	05/18/1999	Pawlowski et al.			
	AGGGGGG	5905889	05/18/1999	Wilhelm Jr.			
	AHHHHHH	5915123	06/22/1999	Mirskey et al.			
	AIIIII	5933627	08/03/1999	Parady			
	AJJJJJJ	5937187	08/10/1999	Kosche et al.			
	AKKKKKK	5938736	08/17/1999	Muller et al.			
	ALLLLL	5940612	08/17/1999	Brady et al.			
	AMMMMM	5940866	08/17/1999	Chisholm et al.			
	ANNNNN	5946487	08/31/1999	Dangelo			
	AOOOOO	5948081	09/07/1999	Foster			
	APPPPP	5951679	09/14/1999	Anderson et al.			
	AQQQQQ	5958031	09/28/1999	Kim			
	ARRRRR	5961628	10/05/1999	Nguyen et al.			
	ASSSSS	5970013	10/19/1999	Fischer et al.			
	ATTTTT	5978838	11/02/1999	Mohamed et al.			
	AUUUUU	5983274	11/09/1999	Hyder et al.			
	AVVVVV	5996068	11/30/1999	Dwyer III et al.			
	AWWWWW	6002881	12/14/1999	York et al.			
	AXXXXX	6009515	12/28/1999	Steele Jr.			
	AYYYYY	6012151	01/04/2000	Mano			
	AZZZZZ	6014729	01/11/2000	Lannan et al.			
	AAAAAAA	6023742	02/08/2000	Ebeling et al.			
	ABBBBBB	6029228	02/22/2000	Cai et al.			
	ACCCCCC	6058168	05/02/2000	Braband			
	ADDDDDD	6058465	05/02/2000	Nguyen			
	AEEEEEE	6067585	05/23/2000	Hoang			

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Substitute Form PTO-1449 (Modifications)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant FEB 28 2006 (use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

37 CFR §1.98(b)

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AFFFFFFF	6070231	05/30/2000	Ottinger			
	AGGGGGGG	6072781	06/06/2000	Feeney et al.			
	AHHHHHHH	6073215	06/06/2000	Snyder			
	AIIIIIII	6076158	06/13/2000	Sites et al.			
	AJJJJJJJ	6079008	06/20/2000	Clery III			RECEIVED FEB 28 2006
	AKKKKKKK	6079014	06/20/2000	Papworth et al.			Technology Center 2100
	ALLLLLLL	6085215	07/04/2000	Ramakrishnan et al.			
	AMMMMMMM	6085294	07/04/2000	Van Doren et al.			
	ANNNNNNN	6092127	07/18/2000	Tausheck			
	AOOOOOOO	6092158	07/18/2000	Harriman et al.			
	APPPPPPP	6092175	07/18/2000	Levy et al.			
	AQQQQQQQ	6112016	08/29/2000	MacWilliams et al.			
	ARRRRRRR	6115811	09/05/2000	Steele Jr.			
	ASSSSSSS	6134665	10/17/2000	Klein et al.			
	ATTTTTTT	6141689	10/31/2000	Yasrebi			
	AUUUUUUU	6141765	10/31/2000	Sherman			
	AVVVVVVV	6144669	11/07/2000	Williams et al.			
	AWWWWWWW	6145054	11/07/2000	Mehrotra et al.			
	AXXXXXXX	6157955	12/05/2000	Narad et al.			
	AYYYYYYY	6160562	12/12/2000	Chin et al.			
	AZZZZZZZ	6182177	01/30/2001	Harriman			
	AAAAAAA	6195676	02/27/2001	Spix et al.			
	ABBBBBBB	6199133	03/06/2001	Schnell			
	ACCCCCCC	6201807	03/18/2001	Prasanna			
	ADDDDDDD	6212542	04/03/2001	Kahle et al.			
	AEEEEEEE	6212611	04/03/2001	Nizar et al.			
	AFFFFFFF	6216220	04/10/2001	Hwang			

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Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
10559-302US1

Application No.
10/070,006

**Information Disclosure Statement
by Applicant**

FEB 28 2006 (Use several sheets if necessary)

37 CFR §1.98(b))

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Applicant
Gilbert Wolrich et al.

Filing Date
February 28, 2002

Group Art Unit
2186

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AGGGGGGG	6223207	04/24/2001	Lucovsky et al.			
	AHHHHHHH	6223238	04/24/2001	Meyer et al.			
	AIIIIIII	6223279	04/24/2001	Nishimura et al.			
	AJJJJJJJ	6247025	06/12/2001	Bacon			
	AKKKKKKK	6256713	07/03/2001	Audityan et al.			
	ALLLLLLL	6272616	08/07/2001	Fernando et al.			
	MMMMMM	6275505	08/14/2001	O'Loughlin et al.			
	ANNNNNNN	6279113	08/21/2001	Vaidya			
	AOOOOOOO	6289011	09/11/2001	Seo et al.			
	APPPPPPP	6298370	10/02/2001	Tang et al.			
	AQQQQQQQ	6307789	10/23/2001	Wolrich et al.			
	ARRRRRRR	6324624	11/27/2001	Wolrich et al.			
	ASSSSSSS	6345334	02/05/2002	Nakagawa et al.			
	ATTTTTTT	6347344	02/12/2002	Baker et al.			
	AUUUUUUU	6351808	02/26/2002	Joy et al.			
	AVVVVVVV	6356962	03/12/2002	Kasper et al.			
	WWWWWW	6360262	03/19/2002	Guenther et al.			
	AXXXXXXX	6373848	04/16/2002	Allison et al.			
	YYYYYYYY	6389449	05/14/2002	Nemirovsky et al.			
	AZZZZZZZ	6393483	05/21/2002	Latif et al.			
	AAAAAAA	6415338	07/02/2002	Habot			
	ABBBBBBBB	6426940	07/30/2002	Seo et al.			
	ACCCCCCCC	6427196	07/30/2002	Adiletta et al.			
	ADDDDDDDD	6430626	08/06/2002	Witkowski et al.			
	EEEEEEEEE	6434145	08/13/2002	Opsasnick et al.			
	AFFFFFFF	6463072	10/08/2002	Wolrich et al.			
	AGGGGGGGC	6532509	03/11/2003	Wolrich et al.			

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Substitute Disclosure Form (PTO-1449)

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Sheet 8 of 8

Substitute Form PTO-1449 <i>(Mod. 2)</i>	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant FEB 23 2006 <i>(37 CFR §1.98)</i>		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AHHHHHHHHE	6552826	04/22/2003	Adler et al.			
	AIIIIIIIII	6560667	05/06/2003	Wolrich et al.			
	AJJJJJJJJJ	6577542	06/10/2003	Wolrich et al.			
	AKKKKKKKKI	6584522	06/24/2003	Wolrich et al.			
	ALLLLLLL	6587906	07/01/2003	Wolrich et al.			
	IMMMMMMM	6606704	08/12/2003	Adiletta et al.			
	ANNNNNNNN	6625654	09/23/2003	Wolrich et al.			Technology Center 2100
	AOOOOOOOOC	6629237	09/30/2003	Wolrich et al.			
	APPPPPPPPP	6631430	10/07/2003	Wolrich et al.			
	AQQQQQQQQQ	6631462	10/07/2003	Wolrich et al.			
	ARRRRRRRRR	6661794	12/09/2003	Wolrich et al.			
	ASSSSSSSSS	6667920	12/23/2003	Wolrich et al.			
	ATTTTTTTT	6668317	12/23/2003	Bernstein et al.			
	AUUUUUUUUU	6681300	01/20/2004	Wolrich et al.			
	AVVVVVVVV	6694380	02/17/2004	Wolrich et al.			

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Substitute Disclosure Form (PTO-1449)

<p style="text-align: center;">Information Disclosure Statement by Applicant (Use several sheets if necessary)</p> <p><i>FEB 23 2006</i></p> <p><i>PTO-1449 (2006)</i></p> <p><i>RECEIVED FEB 28 2006 Technology Center 2100</i></p>	U.S. Department of Commerce Patent and Trademark Office	
	Attorney's Docket No. 10559-302US1	
	Application No. 10/070,006	
	Filing Date February 28, 2002	Group Art Unit -2186 Z189

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	09/473,571	12/28/1999	Wolrich et al.			
	AB	09/475,614	12/30/1999	Wolrich et al.			
	AC	09/476,303	12/30/1999	Wolrich et al.			
	AD	09/387,109	08/31/1999	Adiletta et al.			
	AE	09/747,019	12/21/2000	Bernstein et al.			
	AF	4,023,023	05/10/1977	Bourrez et al.			
	AG	5,113,516	05/12/1992	Johnson			
	AH	5,363,448	11/08/1994	Koopman, Jr., et al.			
	AI	5,436,626	07/25/1995	Fujiwara et al.			
	AJ	5,600,812	02/04/1997	Park			
	AK	5,652,583	07/29/1997	Kang			
	AL	5,717,760	02/10/1998	Satterfield			

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Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
BJP	AM	WO 01/16697	03/2001	WIPO			
	AN	WO 01/16698	03/2001	WIPO			
	AO	WO 01/16702	03/2001	WIPO			
	AP	WO 01/16703	03/2001	WIPO			
	AQ	WO 01/16713	03/2001	WIPO			
	AR	WO 01/16714	03/2001	WIPO			
	AS	WO 01/16715	03/2001	WIPO			
	AT	WO 01/16716	03/2001	WIPO			
	AU	WO 01/16722	03/2001	WIPO			
BJP	AV	WO 01/18646	03/2001	WIPO			

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Substitute Form PTO-1449 (Revised)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant <i>FEB 28 2006</i> (Use several sheets if necessary) (37 CFR §1.95(e))		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186 2189

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
BSP	AA	WO 01/50679	07/12/2001	WIPO			
	AB	WO 01/50247	07/12/2001	WIPO			
	AC	WO 01/48619	07/05/2001	WIPO			
	AD	WO 01/48606	07/05/2001	WIPO			
	AE	WO 01/48599	07/05/2001	WIPO			
	AF	WO 01/48596	07/05/2001	WIPO			RECEIVED
	AG	WO 01/41530	06/14/2001	WIPO			FEB 28 2006
	AH	WO 01/16782	03/08/2001	WIPO			Technology Center 2100
	AI	WO 01/16770	03/08/2001	WIPO			
	AJ	WO 01/16769	03/08/2001	WIPO			
	AK	WO 01/16718	03/08/2001	WIPO			
BSP	AL	WO 01/16758	03/08/2001	WIPO			
	AM	WO 01/15718	03/08/2001	WIPO			
BSP	AN	WO 97/38372	10/16/1997	WIPO			
	AO	WO 94/15287	07/07/1994	WIPO			
	AP	EP 0 809 180	11/26/1997	Europe			
	AQ	EP 0 745 933	12/04/1996	Europe			
	AR	EP 0 633 678	01/11/1995	Europe			
	AS	EP 0 464 715	01/08/1992	Europe			
BSP	AT	EP 0 379 709	08/01/1990	Europe			
	AU	59111533	06/27/1984	Japan			

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document	
BSP	AV	Agarwal et al., "April: A Processor Architecture for Multiprocessing," Proceedings of the 17 th Annual International Symposium on Computer Architecture, IEEE, pp. 104-114.	
BSP	AW	Byrd et al., "Multithread Processor Architectures," IEEE Spectrum, Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.	
BSP	AX	Doyle et al., Microsoft Press Computer Dictionary, 2 nd ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.	

Examiner Signature <i>[Signature]</i>	Date Considered 5/10/06
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 <i>Amended</i> OCT 2006 FEB 23 2006 (37 CFR §1.96(e))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Gilbert Wolrich et al.	RECEIVED FEB 28 2006
		Filing Date February 28, 2002	Group Art Unit 2186 2189

Other Documents (include Author, Title, Date, and Place of Publication) Technology Center 2100

Examiner Initial	Desig. ID	Document
BJP	AY	Farkas et al., "The multicluster architecture: reducing cycle time through partitioning," IEEE, vol. 30, December 1997, pp. 149-159.
	AZ	Fillo et al., "The M-Machine Multicomputer," IEEE Proceedings of MICRO-28, 1995, pp. 146-156.
	AAA	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, vol. 40, no. 1, 10 January 1997, pp. 103-117.
	ABB	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," IEEE Symposium on FPGAs for Custom Computing Machines, 1998.
	ACC	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," Proceedings of the 5 th Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1997.
	ADD	Hennessy et al., "Computer Organization and Design: The Hardware/Software Interface," Morgan Kaufman Publishers, pp. 476-482 (1998).
	AEE	Hyde, R., "Overview of Memory Management," <i>Byte</i> , vol. 13, no. 4, 1998, pp. 219-225.
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	AII	Paver et al., "Register Locking in Asynchronous Processor Computer Design: VLSI Processors," <i>ICCD '92 Proceedings</i> , IEEE 1992 International Conference, 1992, pp. 385-398.
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	AMM	Trimberger et al., "A time-multiplexed FPGA," Proceedings of the 5 th Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1998.
	ANN	Turner et al., "Design of a High Performance Active Router," Internet Document, <i>Online</i> , 18 March 1999.
	AOO	Vibhatavani et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359.
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	AQQ	Wazlowski et al., "PRSIM-II computer and architecture," IEEE Proceedings, Workshop on FPGAs for Custom Computing Machines, 1993.
	ARR	Wadler. "The Concatenate Vanishes". University of Glasgow, November 1989, pp. 1-7.
BJP	ASS	Schmidt et al. "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems". Submitted to <i>Journal of Parallel and Distributed Computing</i> , pp. 1-19.

Examiner Signature <i>B. H.</i>	Date Considered 5/10/06
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Sheet 3 of 3

Substitute Form PTO-1449 (modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186 2189

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
B>P	ATT	Moors, et al. "Cascading Content – Addressable Memories. IEEE 12(3):56-66, June 1992.
BJF	AUU	"HART Field Communication Protocol – Application Guide". HART Communications Foundation, pp. 1-74, 1999.

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Examiner Signature <i>Bher</i>	Date Considered 5/10/06
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559302US1	Application No. 10/070,006
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Albert Wolrich et al.	
(37 CFR §1.98(b))		Filing Date February 28, 2002	Group Art Unit 2186

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	09/473,571	12/28/1999	Wolrich et al.			
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	AC						
	AD						
	AE						
	AF						
	AG						

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AH	WO 01/16697	03/2001	WIPO				
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	AJ	WO 01/16702	03/2001	WIPO				
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	AM	WO 01/16714	03/2001	WIPO				
	AN	WO 01/16715	03/2001	WIPO				
	AO	WO 01/16716	03/2001	WIPO				
	AP	WO 01/16722	03/2001	WIPO				
	AQ	WO 01/18646	03/2001	WIPO				

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	AS	
	AT	
	AU	

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	DOUBLE SHIFT INSTRUCTION FOR MICRO ENGINE USED IN MULTITHREADED PARALLEL PROCESSOR ARCHITECTURE						
Application Number:	10/070006						
Confirmation Number:	5728						
First Named Applicant:	Gilbert Wolrich						
Attorney Docket Number:	10559-302US1						
Art Unit:	2186						
Examiner:	Behzad Peikari						
Search string:	(5937187 or 5938736 or 5940612 or 5940866 or 5946487 or 5948087 or 5951679 or 5958031 or 5961628 or 5970015 or 5978838 or 5983274 or 5996068 or 6002881 or 6009515 or 6012151 or 6014729 or 6023742 or 6029228 or 6058168 or 6058465 or 6067585 or 6070231 or 6072781 or 6073215 or 6076158 or 6079008 or 6079014 or 6085215 or 6085294 or 6092127 or 6092158 or 6092175 or 6112016 or 6115811 or 6134665 or 6141689 or 6141765 or 6144669 or 6145054 or 6157955 or 6160562 or 6182177 or 6195676 or 6199133 or 6201807 or 6212542 or 6212611 or 6216220 or 6223207).pn.						
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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	2	5938736	1999-08-17	Muller et al.			
	3	5940612	1999-08-17	Brady et al.			
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DUPLICATE

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Examiner Name	Date

DUPPLICATE



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Electronic Version v18
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Title of Invention	DOUBLE SHIFT INSTRUCTION FOR MICRO ENGINE USED IN MULTITHREADED PARALLEL PROCESSOR ARCHITECTURE						
Application Number:	10/070006						
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First Named Applicant:	Gilbert Wolrich						
Attorney Docket Number:	10559-302US1						
Art Unit:	2186						
Examiner:	Behzad Peikari						
Search string:	(5568617 or 5574922 or 5574939 or 5592622 or 5606676 or 5613071 or 5613136 or 5623489 or 5627829 or 5630130 or 5644623 or 5649157 or 5659722 or 5680641 or 5689566 or 5692167 or 5699537 or 5717898 or 5721870 or 5742587 or 5742782 or 5742822 or 5745913 or 5751987 or 5761507 or 5761522 or 5781774 or 5784649 or 5784712 or 5796413 or 5797043 or 5809235 or 5809530 or 5812839 or 5812868 or 5828746 or 5828863 or 5832215 or 5835755 or 5854922 or 5860158 or 5886992 or 5887134 or 5890208 or 5892979 or 5905876 or 5905889 or 5915123 or 5933627 or 5659637).pn.						
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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Signature

Examiner Name	Date

DUPLiCATE



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Title of Invention	DOUBLE SHIFT INSTRUCTION FOR MICRO ENGINE USED IN MULTITHREADED PARALLEL PROCESSOR ARCHITECTURE						
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Confirmation Number:	5728						
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Art Unit:	2186						
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Search string:	(3373408 or 3478322 or 3792441 or 3913074 or 3940745 or 4130890 or 4392758 or 4400770 or 4514807 or 4523272 or 4724521 or 4745544 or 4777587 or 4866664 or 5073864 or 5140685 or 5142683 or 5155831 or 5155854 or 5168555 or 5173897 or 5255239 or 5263169 or 5347648 or 5357617 or 5367678 or 5390329 or 5392391 or 5392411 or 5392412 or 5404464 or 5404482 or 5428809 or 5432918 or 5442756 or 5448702 or 5450351 or 5452437 or 5459842 or 5463625 or 5467452 or 5481683 or 5487159 or 5517628 or 5517648 or 5542070 or 5542088 or 5544236 or 5550816 or 5557766 or 20020053017 or 20020056037 or 20030041228 or 20030145159 or 20030191866 or 20040039895 or 20040054880 or 20040071152 or 20040073728 or 20040073778 or 20040098496 or 20040109369 or 20040205747).pn.						
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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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	47	5542088	1996-07-30	Jennings Jr. et al.
	48	5544236	1996-08-06	Andruska et al.
	49	5550816	1996-08-27	Hardwick et al.
	50	5557766	1996-09-17	Takiguchi et al.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020053017	2002-05-02	Adiletta et al.			
	2	20020056037	2002-05-09	Wolrich et al.			
	3	20030041228	2003-02-27	Rosenbluth et al.			
	4	20030145159	2003-07-31	Adiletta et al.			
	5	20030191866	2003-10-09	Wolrich et al.			
	6	20040039895	2004-02-26	Wolrich et al.			
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Signature

Examiner Name	Date



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Stylesheet Version v18.0

Title of Invention	DOUBLE SHIFT INSTRUCTION FOR MICRO ENGINE USED IN MULTITHREADED PARALLEL PROCESSOR ARCHITECTURE																																																																																
<p>Application Number: 10/070006 Confirmation Number: 5728 First Named Applicant: Gilbert Wolrich Attorney Docket Number: 10559-302US1 Art Unit: 2186 Examiner: Behzad Peikari Search string: (6223238 or 6223279 or 6247025 or 6256713 or 6272616 or 6275505 or 6279113 or 6289011 or 6298370 or 6307789 or 6324624 or 6345334 or 6347344 or 6351808 or 6356962 or 6373848 or 6360262 or 6389449 or 6393483 or 6415338 or 6426940 or 6427196 or 6430626 or 6434145 or 6463072 or 6532509 or 6552826 or 6560667 or 6577542 or 6584522 or 6587906 or 6606704 or 6625654 or 6629237 or 6631430 or 6631462 or 6661794 or 6667920 or 6668317 or 6681300 or 6694380),pn.</p>																																																																																	
<p>DUPLICATE</p> <h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>6223238</td><td>2001-04-24</td><td>Meyer et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>6223279</td><td>2001-04-24</td><td>Nishimura et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>6247025</td><td>2001-06-12</td><td>Bacon</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>6256713</td><td>2001-07-03</td><td>Audityan et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>6272616</td><td>2001-08-07</td><td>Fernando et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>6275505</td><td>2001-08-14</td><td>O Loughlin et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>6279113</td><td>2001-08-21</td><td>Vaidya</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>6289011</td><td>2001-09-11</td><td>Seo et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>6298370</td><td>2001-10-02</td><td>Tang et al.</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	6223238	2001-04-24	Meyer et al.					2	6223279	2001-04-24	Nishimura et al.					3	6247025	2001-06-12	Bacon					4	6256713	2001-07-03	Audityan et al.					5	6272616	2001-08-07	Fernando et al.					6	6275505	2001-08-14	O Loughlin et al.					7	6279113	2001-08-21	Vaidya					8	6289011	2001-09-11	Seo et al.					9	6298370	2001-10-02	Tang et al.			
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Substitute Form PTO-1449 10/070,006 <i>(Modified)</i> JUN 04 2004 Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.56(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-302TS1	Application No. 10/070,006
		Applicant Gilbert Wallrich et al.	
		Filing Date February 28, 2002	Group Art Unit 2186

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AA	WO 01/50679	07/12/2001	WIPO			
	AB	WO 01/50247	07/12/2001	WIPO			
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DUPPLICATE

Sheet 2 of 2

O P S Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney/Docket No. 10559302US1	Application No. 10/070,006
JUN 8 4 2004 Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.		
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	AX	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 nd ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.	
	AY	Farkas et al., "The multicluster architecture: reducing cycle time through partitioning," IEEE, vol. 30, December 1997, pp. 149-159.	
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	APP	Vibhatavani et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359.	
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